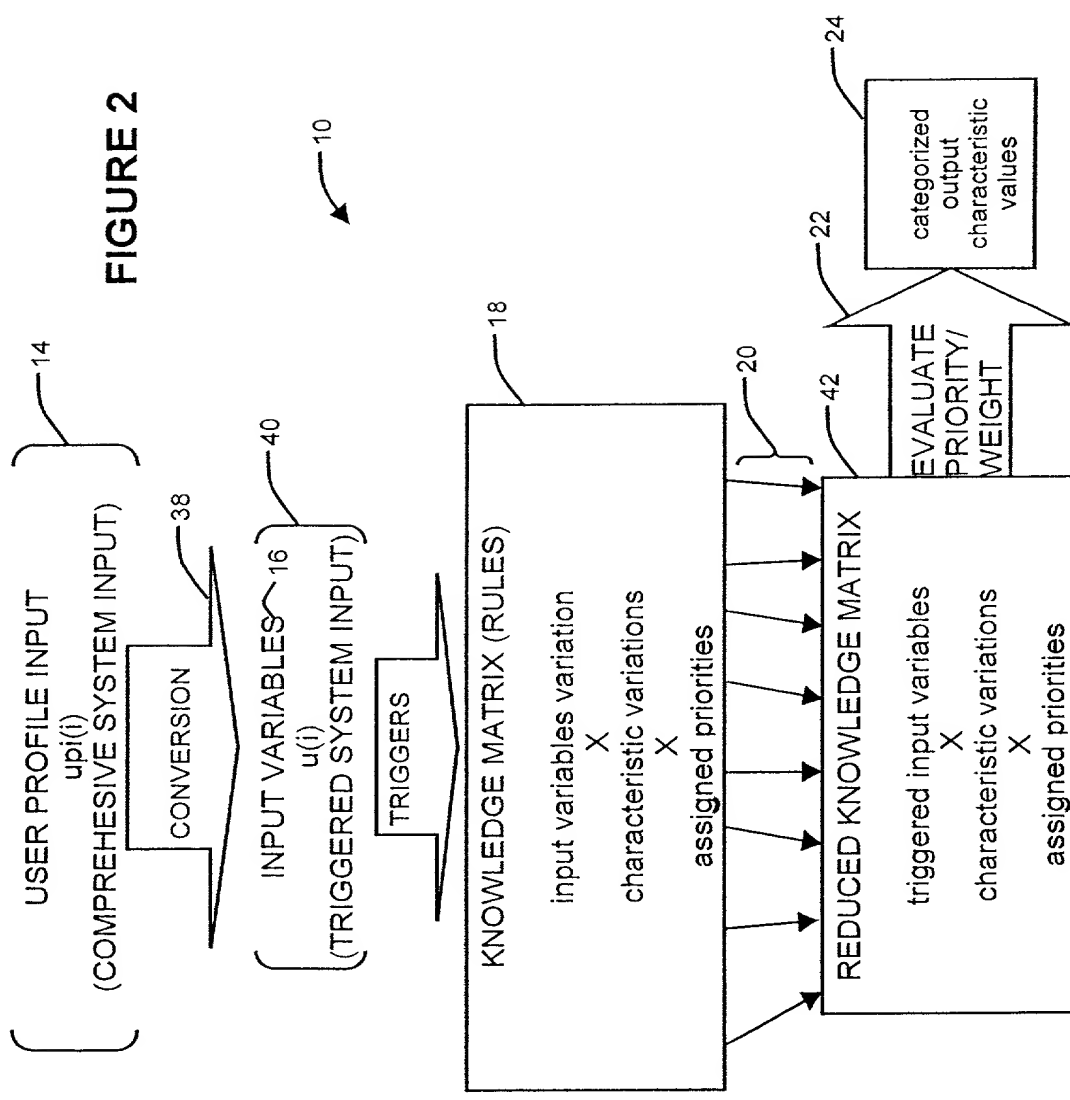


FIGURE 1

FIGURE 2



USER PROFILE INPUT	DATA
upi(1)	####
upi (2)	####
upi (3)	####
upi (4)	####
upi (5)	####
upi (6)	####
upi (7)	####
upi (8)	####
upi (9)	####
upi (10)	####
upi (11)	####
upi (12)	####
upi (13)	####
upi (14)	####
upi (15)	####
upi (16)	####
upi (17)	####
upi (18)	####

FIGURE 3A

USER PROFILE INPUT	DATA
specific event:	formal
date (month-day-year):	01-01-01
time (time of day):	evening
height:	5 ft 7in
weight:	120
bust measurement:	34"
bust cup:	B
hip measurement:	36"
waist measurement:	24"
body fitness level:	very fit
best body feature 1:	bust
best body feature 2:	waist
worst body feature:	hips
personal style:	trendy
user age:	25
skin color:	cocoa
hair color:	black
eye color:	brown

FIGURE 3B

SPECIFIC EVENT	evnt
e1	formal
e2	black & white ball
e3	semiformal
e4	dressy
e5	wedding
e6	funeral
e7	party/club
e8	date
e9	business formal
ea	business casual
eb	casual
ec	active

FIGURE 4A

HEIGHT / WEIGHT	htwt
h1	short & thin
h2	short & med
h3	short & large
h4	avg & thin
h5	avg & med
h6	avg & large
h7	tall & thin
h8	tall & med
h9	tall & large

FIGURE 4B

ENDOW- MENT	endw
d1	small
d2	average
d3	well endowed
d4	over endowed

FIGURE 4C

SEASON	sesn
s1	winter
s2	spring
s3	summer
s4	fall

FIGURE 4D

TIME OF DAY	time
m1	morning
m2	afternoon
m3	evening

FIGURE 4E

BODY TYPE	btyp
t1	top heavy
t2	bottom heavy
t3	lacking definition
t4	well proportioned
t5	hour glass

FIGURE 4F

09862978-100101

BODY FITNESS LEVEL	bfit
f1	Below average
f2	average
f3	above average

FIGURE 4G

BEST BODY FEATURE 1	bst1
b1	arms
b2	back
b3	breasts
b4	waistline
b5	hips
b6	thighs
b7	calves

FIGURE 4H

BEST BODY FEATURE 2	bst2
b8	arms
b9	back
ba	breasts
bb	waistline
bc	hips
bd	thighs
be	calves

FIGURE 4I

PERSONAL STYLE	styl
p1	sporty
p2	Savvy
p3	trendy
p4	conservative
p5	casual
p6	revealing
p7	grunge
P8	flashy
P9	ethnic
pa	retro
pb	urban

FIGURE 4J

AGE	age#
a1	[< 14 yrs old]
a2	[15-18 yrs old]
a3	[19-24 yrs old]
a4	[25-30 yrs old]
a5	[31-40 yrs old]
a6	[41-50 yrs old]
a7	[51-60 yrs old]
a8	[60+ yrs old]

FIGURE 4K

WORST BODY FEATURE	wrst
w1	arms
w2	back
w3	breasts
w4	Waistline
w5	hips
w6	Thighs
w7	Calves
w8	short torso
w9	long torso

FIGURE 4L

09862978-1001001

PROFILE INPUT	CALCULATION	INPUT VARIABLE
specific event: formal	(formal = e1)	u[1] = e1
date (month-day-year): 01-01-01	(date => season calculation), (01-01-01 => winter =s1)	u[2] = s1
time (time of day): evening	(evening = m3)	u[3] = m3
height: 5 ft 7in		u[4] = h7
weight: 120	(height & weight calculation) (height= 5'7", weight =120 lbs => average& thin = h7)	u[5] = t4
bust measurement: 34"		u[6] = d2
hip measurement: 36"		u[7] = f1
waist measurement: 24"	(bust & waist & hips => body type calculation) (34"24"36" => well proportioned = t4)	u[8] = b1
bust cup: B	(bust to cup ratio calculation =>d2)	u[9] = b3
body fitness level:very fit	(fitness level = very fit = f1)	u[10]= w6
best body feature 1: bust	(best feature 1 = bust = b1)	u[11]= p3
best body feature 2: waist	(best feature 2 = waist = b8)	u[12]= a3
worst body feature: hips	(worst feature = hips = w6)	u[13]= 555
personal style: trendy	(personal style= trendy = p3)	
user age: 25	(age range = 25 = a3)	
skin color: cocoa		
hair color: black		
eye color: brown	(skin & hair & eye = cocoa, black, brown = 555)	

14

38

FIGURE 5

16

	u[1]	u[2]	u[3]	u[4]	u[5]	u[6]	u[7]	u[8]	u[9]	u[10]	u[11]	u[12]	u[13]
u[1:13] =	e1	s1	m3	H7	t4	d2	f1	b1	b8	w6	p3	a3	555

40

FIGURE 6



FIGURE 7

18

e1

s1

m3

weight	$w_{[1]} = 3$	$w_{[2]} = 3$	$w_{[3]} = 3$	...	$w_{[13]} = 2$	$w_{[14]} = 2$	$w_{[15]} = 2$	...	$w_{[17]} = 1$	$w_{[18]} = 1$	$w_{[19]} = 1$	...	$w_{[i]}$
	$x_{[1]} = e1$	$x_{[2]} = e2$	$x_{[3]} = e3$	...	$x_{[13]} = s1$	$x_{[14]} = s2$	$x_{[15]} = s2$	...	$x_{[17]} = m1$	$x_{[18]} = m2$	$x_{[19]} = m3$	...	$x_{[i]}$
$oc_{[1]}$	$pr_{[1,1]}$	$pr_{[2,1]}$	$pr_{[3,1]}$	...	$pr_{[13,1]}$	$pr_{[14,1]}$	$pr_{[15,1]}$	...	$pr_{[17,1]}$	$pr_{[18,1]}$	$pr_{[19,1]}$	...	$pr_{[i,1]}$
$oc_{[2]}$	$pr_{[1,2]}$	$pr_{[2,2]}$	$pr_{[3,2]}$	...	$pr_{[13,2]}$	$pr_{[14,2]}$	$pr_{[15,2]}$	...	$pr_{[17,2]}$	$pr_{[18,2]}$	$pr_{[19,2]}$	...	$pr_{[i,2]}$
$oc_{[3]}$	$pr_{[1,3]}$	$pr_{[2,3]}$	$pr_{[3,3]}$	...	$pr_{[13,3]}$	$pr_{[14,3]}$	$pr_{[15,3]}$	...	$pr_{[17,3]}$	$pr_{[18,3]}$	$pr_{[19,3]}$	...	$pr_{[i,3]}$
...
$oc_{[i]}$	$pr_{[1,i]}$	$pr_{[2,i]}$	$pr_{[3,i]}$	...	$pr_{[13,i]}$	$pr_{[14,i]}$	$pr_{[15,i]}$	...	$pr_{[17,i]}$	$pr_{[18,i]}$	$pr_{[19,i]}$	...	$pr_{[i,i]}$

FIGURE 8

<u>42</u>	$W_{[1]} = 3$	$W_{[13]} = 2$	$W_{[19]} = 1$	$W_{[26]} = 5$	$W_{[29]} = 5$	$W_{[32]} = 1$	$W_{[37]} = 4$	$W_{[40]} = 1$	$W_{[48]} = 2$	$W_{[53]} = 8$	$W_{[56]} = 4$	$W_{[71]} = 3$	$W_{[241]} = 3$
	$X_{[1]} = e1$	$X_{[13]} = s1$	$X_{[19]} = m3$	$X_{[26]} = h7$	$X_{[29]} = h7$	$X_{[32]} = t4$	$X_{[37]} = f1$	$X_{[40]} = b1$	$X_{[48]} = b8$	$X_{[53]} = w6$	$X_{[56]} = p3$	$X_{[71]} = a3$	$X_{[241]} = 555$
oc _[1]	$p_{[1,1]}$	$p_{[13,1]}$	$p_{[19,1]}$	$p_{[26,1]}$	$p_{[29,1]}$	$p_{[32,1]}$	$p_{[37,1]}$	$p_{[40,1]}$	$p_{[48,1]}$	$p_{[53,1]}$	$p_{[56,1]}$	$p_{[71,1]}$	$p_{[241,1]}$
oc _[2]	$p_{[1,2]}$	$p_{[13,2]}$	$p_{[19,2]}$	$p_{[26,2]}$	$p_{[29,2]}$	$p_{[32,2]}$	$p_{[37,2]}$	$p_{[40,2]}$	$p_{[48,2]}$	$p_{[53,2]}$	$p_{[56,2]}$	$p_{[71,2]}$	$p_{[241,2]}$
oc _[3]	$p_{[1,3]}$	$p_{[13,3]}$	$p_{[19,3]}$	$p_{[26,3]}$	$p_{[29,3]}$	$p_{[32,3]}$	$p_{[37,3]}$	$p_{[40,3]}$	$p_{[48,3]}$	$p_{[53,3]}$	$p_{[56,3]}$	$p_{[71,3]}$	$p_{[241,3]}$
...
oc _[i]	$p_{[1,i]}$	$p_{[13,i]}$	$p_{[19,i]}$	$p_{[26,i]}$	$p_{[29,i]}$	$p_{[32,i]}$	$p_{[37,i]}$	$p_{[40,i]}$	$p_{[48,i]}$	$p_{[53,i]}$	$p_{[56,i]}$	$p_{[71,i]}$	$p_{[241,i]}$

FIGURE 9

GARMENT ATTRIB. VAR.	
gocc (garment occasion)	
occ1	formal
occ2	semi-formal
occ3	dressy
occ4	casual
occ5	party
occ6	business

FIGURE 10A

GARMENT ATTRIB. VAR.	
gfft (garment fit top):	
ft1	loose
ft2	normal
ft3	fitted
ft4	tight

FIGURE 10B

GARMENT ATTRIB. VAR.	
gnck (garment neck):	
nck1	neck concealing
nck2	neck lined
nck3	v-neck/scoop neck
nck4	low cut
nck5	neck-less

FIGURE 10C

GARMENT ATTRIB. VAR. gclr (garment color)	
clr1	pointed
clr2	rounded
clr3	band
clr4	none

FIGURE 10D

GARMENT ATTRIB. VAR. gslv (garment sleeve):	
slv1	sleeveless
slv2	thin strap
slv3	shoulder sleeve
slv4	short sleeve
slv5	3/4 sleeve
slv6	long sleeve

FIGURE 10G

GARMENT ATTRIB. VAR. gbck (garment back):	
bck1	revealing
bck2	concealing

FIGURE 10H

GARMENT ATTRIB. VAR. gint (garment length):	
int1	crop
int2	waist
int3	hip
int4	thigh
int5	knee
int6	calve
int7	ankle
int8	heel
int9	floor

FIGURE 10E

GARMENT ATTRIB. VAR. gmat (garment material):	
mat1	animal hide
mat2	denim
mat3	cashmere
mat4	cotton
mat5	wool
mat6	acetate
mat7	polyester
mat8	spandex
mat9	beaded
mat10	rayon
mat11	silk
mat12	lace
mat13	linen
mat14	lycra
mat15	satin
mat16	other

FIGURE 10J

GARMENT ATTRIB. VAR. gcol (garment color):	
col1	black
col2	blue
col3	brown
col4	gold
col5	green
col6	grey
col7	indigo
col8	orange
col9	pink
col10	red
col11	silver
col12	tan
col13	white
col14	violet
col15	yellow

FIGURE 10F

GARMENT ATTRIB. VAR. gtne (garment color tone):	
tne1	light
tne2	bold
tne3	rich
tne4	dark

FIGURE 10I

GARMENT ATTRIB. VAR. gpat (garment pattern):	
pat1	solid
pat2	plad/checker
pat3	v-stripe
pat4	h-stripe
pat5	animal print
pat6	paisley
pat7	polka dots
pat8	floral
pat9	other

FIGURE 10K

GARMENT ATTRIB. VAR. gplt (garment pleat):	
plt1	flat front
plt2	single pleat
plt3	double pleat

FIGURE 10N

GARMENT ATTRIB. VAR. gleg (garment leg):	
leg1	bell
leg2	straight
leg3	tapered
leg4	wide
leg5	boot cut

FIGURE 10L

GARMENT ATTRIB. VAR. gfb (garment fit bottom):	
fb1	loose
fb2	normal
fb3	fitted
fb4	tight

FIGURE 10O

GARMENT ATTRIB. VAR. gslt (garment slit [skirt/dress]):	
slt1	none
slt2	none revealing slit
slt3	revealing slit

FIGURE 10M

GARMENT ATTRIB. VAR. gbrs (garment breast):	
brs1	single breasted
brs2	double breasted

FIGURE 10P

GARMENT ATTRIB. VAR. gsty (garment style):	
sty1	casual
sty2	revealing
sty3	grunge
sty4	ethnic
sty5	retro
sty6	urban
sty7	savvy
sty8	sporty
sty9	trendy
stya	conservative
styb	flashy

FIGURE 10Q

FIGURE 11A

weights: triggered rows:	output characteristic value															
	e1	s1	m3	h7	t4	d2	f1	b1	b8	w6	p3	a3	555	output	characteristic value	
ftt1	9	0	0	0	3	3	0	0	0	0	0	0	0	=0	(9.0 dictates the characteristic to be excluded)	
ftt2	2	0	0	0	2	2	0	0	0	0	0	0	0	=0	$(3*2 + 5*2 + 5*2)/3 = 8.66$	
ftt3	1	0	1	0	1	1	0	0	0	9	0	0	0	=0		
ftt4	2	0	1	0	9	1	9	0	0	9	0	0	0	=0		
nck1	3	1	0	0	0	0	0	0	0	0	0	0	0	=0	$(3*3 + 2*1)/2 = 5.5$	
nck2	3	1	0	0	0	0	0	0	0	0	0	0	0	=0	$(3*3 + 2*1)/2 = 5.5$	
nck3	2	2	0	0	0	0	0	0	0	0	0	0	0	=0	$(3*3 + 2*2)/2 = 6.5$	
nck4	1	2	0	0	0	0	0	0	0	0	0	0	0	=0	$(3*1 + 2*2)/2 = 3.5$	
nck5	1	3	0	0	0	0	9	0	0	0	0	0	0	=0		
clr1	0	0	0	0	0	0	0	0	0	0	0	0	0	=0		
clr2	0	0	0	0	0	0	0	0	0	0	0	0	0	=0		
clr3	0	0	0	0	0	0	0	0	0	0	0	0	0	=0		
clr4	0	0	0	0	0	0	0	0	0	0	0	0	0	=0		
slv1	1	3	0	0	0	0	9	1	1	0	0	0	0	=0		
slv2	1	3	0	0	0	0	9	1	1	0	0	0	0	=0		
slv3	0	2	0	0	0	0	9	1	1	0	0	0	0	=0		
slv4	0	2	0	0	0	0	0	2	2	0	0	0	0	=0	$(2*1 + 1*2 + 2*2)/3 = 2.67$	
slv5	0	1	0	0	0	0	0	2	2	0	0	0	0	=0	$(1*1 + 1*2 + 2*2)/3 = 2.67$	
slv6	0	1	0	0	0	0	0	3	3	0	0	0	0	=0	$(2*1 + 3*1 + 3*2)/3 = 3$	
Int1	9	9	9	9	9	9	9	9	9	9	9	9	9	=0		
Int2	9	9	9	9	9	9	9	9	9	9	9	9	9	=0		
Int3	9	9	0	0	0	0	9	0	0	0	0	9	9	=0		
Int4	9	2	0	0	0	0	9	0	0	0	0	9	9	=0		
Int5	9	1	0	0	0	0	0	0	0	0	0	0	0	=0		
Int6	9	1	0	0	0	0	0	0	0	0	0	0	0	=0		
Int7	1	1	0	0	0	0	0	0	0	0	0	0	0	=0	$(3*1 + 2*1)/2 = 2.5$	
Int8	1	1	0	0	0	0	0	0	0	0	0	0	0	=0	$(3*1 + 2*1)/2 = 2.5$	
Int9	1	2	0	0	0	0	0	0	0	0	0	0	0	=0	$(3*1 + 2*2)/2 = 3.5$	

FIGURE 11 A

OUTPUT
CHARACTERISTIC
VALUES 24

garment fit	ftt1	Ø
	ftt2	8.66
	ftt3	Ø
	ftt4	Ø
garment neck	nck1	5.5
	nck2	5.5
	nck3	6.5
	nck4	3.5
	nck5	Ø
garment collar	clr1	0
	clr2	0
	clr3	0
	clr4	0
garment sleeve	slv1	Ø
	slv2	Ø
	slv3	Ø
	slv4	2.67
	slv5	2.67
	slv6	3
garment length	Int1	Ø
	Int2	Ø
	Int3	Ø
	Int4	Ø
	Int5	Ø
	Int6	Ø
	Int7	2.5
	Int8	2.5
	Int9	3.5

weights:		3	2	1	5	1	4	1	2	3	4	3	3	output	
triggered rows:		e1	s1	m3	h7	t4	d2	f1	b1	b8	w6	p3	a3	55	characteristic value
bck1		1	0	0	0	0	0	0	0	0	0	0	0	0	\emptyset
bck2		0	0	0	0	0	0	1	0	0	0	0	0	0	$= (4*1)/1 = 4$
col1		1	1	1	0	0	0	0	0	0	0	0	0	0	$= (3*1+2*1+1*1)/3 = 2$
col2		1	2	1	0	0	0	0	0	0	0	0	0	0	$= (3*1+2*2+1*1)/3 = 2.66$
col3		3	3	1	0	0	0	0	0	0	0	0	0	0	$= (3*3+2*3+1*1)/3 = 5.33$
col4		1	2	1	0	0	0	0	0	0	0	0	0	0	$= (3*1+2*2+1*1)/3 = 2.66$
col5		1	1	2	0	0	0	0	0	0	0	0	0	0	$= (3*1+2*1+1*2)/3 = 2.33$
col6		1	1	1	0	0	0	0	0	0	0	0	0	0	$= (3*1+2*1+1*1)/3 = 2$
col7		2	2	2	0	0	0	0	0	0	0	0	0	0	$= (3*2+2*2+1*2)/3 = 5.33$
col8		3	3	2	0	0	0	0	0	0	0	0	0	0	$= (3*3+2*3+1*2)/3 = 5.66$
col9		1	2	2	0	0	0	0	0	0	0	0	0	0	$= (3*1+2*2+1*2)/3 = 3$
cola		1	1	2	0	0	0	0	0	0	0	0	0	0	$= (3*1+2*1+1*2)/3 = 2.33$
colb		1	2	1	0	0	0	0	0	0	0	0	0	0	$= (3*1+2*2+1*1)/3 = 2.66$
colc		2	2	3	0	0	0	0	0	0	0	0	0	0	$= (3*2+2*2+1*3)/3 = 4.33$
cold		2	2	2	0	0	0	0	0	0	0	0	0	0	$= (3*2+2*2+3*2)/3 = 5.33$
cole		1	1	3	0	0	0	0	0	0	0	0	0	0	$= (3*1+2*1+3*3)/3 = 4.66$
colf		3	3	2	0	0	0	0	0	0	0	0	0	0	$= (3*3+2*3+1*2)/3 = 5.66$
tne1		2	2	3	0	0	0	0	0	0	0	0	0	0	$= (3*2+2*2+3*3)/3 = 6.33$
tne2		2	3	3	0	0	0	0	0	0	0	0	0	0	$= (3*2+2*3+3*3)/3 = 7$
tne3		3	1	2	0	0	0	0	0	0	0	0	0	0	$= (3*3+2*1+1*2)/3 = 5$
tne4		1	1	1	0	0	0	0	0	0	0	0	0	0	$= (3*1+2*1+1*1)/3 = 2$

FIGURE 11B

OUTPUT
CHARACTERISTIC
VALUES 24

garment back	bck1	\emptyset
	bck2	4
garment color	col1	2
	col2	2.66
	col3	5.33
	col4	2.66
	col5	2.33
	col6	2
	col7	5.33
	col8	5.66
	col9	3
	cola	2.33
	colb	2.66
	colc	4.33
	cold	5.33
	cole	4.66
	colf	5.66
garment color tone	tne1	6.33
	tne2	7
	tne3	5
	tne4	2

[illegible]

weights: triggered rows:	3	2	1	5	5	1	4	1	2	3	4	3	output characteristic value	characteristic VALUES 24	OUTPUT CHARACTERISTIC VALUES 24
	e1	s1	m3	h7	t4	d2	f1	b1	b8	w6	p3	a3				555
mat0	0	1	0	0	0	0	0	0	0	0	0	0	$= (2*1)/1=2$	garment material	mat0 2
mat1	9	1	0	0	0	0	0	0	0	0	0	0	$= \emptyset$		mat1 \emptyset
mat2	9	1	0	0	0	0	0	0	0	0	0	0	$= \emptyset$		mat2 \emptyset
mat3	0	1	0	0	0	0	0	0	0	0	0	0	$= (2*1)/1=2$		mat3 2
mat4	0	1	0	0	0	0	0	0	0	0	0	0	$= (2*1)/1=2$		mat4 2
mat5	1	2	0	0	0	0	0	0	0	0	0	0	$= (3*1+2*1)/2=2.5$		mat5 2.5
mat6	0	2	0	0	0	0	0	0	0	0	0	0	$= (2*1)/1=2$		mat6 2
mat7	0	2	0	0	0	0	0	0	0	0	0	0	$= (2*1)/1=2$		mat7 2
mat8	1	1	0	0	0	0	0	0	0	0	0	0	$= (3*1+2*1)/2=2.5$		mat8 2.5
mat9	0	0	0	0	0	0	0	0	0	0	0	0	$= 0$		mat9 0
mata	0	0	0	0	0	0	0	0	0	0	0	0	$= 0$		mata 0
matb	0	0	0	0	0	0	0	0	0	0	0	0	$= 0$		matb 0
matc	0	9	0	0	0	0	0	0	0	0	0	0	$= \emptyset$		matc \emptyset
mad	1	0	0	0	0	0	0	0	0	0	0	0	$= (3*1)/1= 3$		mad 3
mate	1	1	0	0	0	0	0	0	0	0	0	0	$= (3*1+2*1)/2=2.5$		mate 2.5
matf	0	0	0	0	0	0	0	0	0	0	0	0	$= 0$		matf 0
pat1	1	1	0	0	0	0	0	0	0	0	0	0	$= (3*1+2*1)/2=2.5$	garment pattern	pat1 2.5
pat2	0	1	0	0	0	0	0	0	0	0	0	0	$= (2*1)/1= 2$		pat2 2
pat3	0	1	0	0	0	0	0	0	0	0	0	0	$= (2*1)/1= 2$		pat3 2
pat4	0	1	0	0	0	0	0	0	0	0	0	0	$= (2*1)/1= 2$		pat4 2
pat5	0	0	0	0	0	0	0	0	0	0	0	0	$= 0$		pat5 0
pat6	0	0	0	0	0	0	0	0	0	0	0	0	$= 0$		pat6 0
pat7	0	0	0	0	0	0	0	0	0	0	0	0	$= 0$		pat7 0
pat8	0	0	0	0	0	0	0	0	0	0	0	0	$= 0$		pat8 0
pat9	0	0	3	0	0	0	0	0	0	0	0	0	$= (1*3)/1= 3$		pat9 3

FIGURE 11C

weights:		3	2	1	5	5	1	4	1	2	3	4	3	3	output	
triggered	rows:	e1	s1	m3	h7	t4	d2	f1	b1	b8	w6	p3	a3	555	characteristic value	characteristic value
leg1		0	1	0	0	0	0	0	0	0	0	0	0	0	$= (2*1)/1 = 2$	garment leg
leg2		0	9	0	0	0	0	0	0	0	0	0	0	0	$= \emptyset$	leg1 2
leg3		0	9	0	0	0	0	0	0	0	0	0	9	9	$= \emptyset$	leg2 \emptyset
leg4		9	9	9	9	9	9	9	9	9	9	9	9	9	$= \emptyset$	leg3 \emptyset
leg5		9	9	9	9	9	9	9	9	9	9	9	9	9	$= \emptyset$	leg4 \emptyset
															$= \emptyset$	leg5 \emptyset
slt1		1	9	0	0	0	0	9	0	1	0	0	9	9	$= \emptyset$	garment slit
slt2		0	9	0	0	0	0	0	0	1	0	0	0	0	$= \emptyset$	slt1 \emptyset
slt3		0	0	0	0	0	0	0	0	1	0	0	0	0	$= 2$	slt2 \emptyset
															$= \emptyset$	slt3 2
plt1		9	9	9	9	9	9	9	9	9	9	9	9	9	$= \emptyset$	garment plt
plt2		9	9	9	9	9	9	9	9	9	9	9	9	9	$= \emptyset$	plt1 \emptyset
plt3		9	9	9	9	9	9	9	9	9	9	9	9	9	$= \emptyset$	plt2 \emptyset
															$= \emptyset$	plt3 \emptyset
ftb1		9	0	0	0	3	0	0	0	0	0	0	0	0	$= \emptyset$	garment fit bottom
ftb2		2	0	0	0	2	0	0	0	0	0	0	0	0	$= (3*2 + 5*2)/2 = 8$	ftb1 \emptyset
ftb3		1	0	1	0	1	0	0	0	0	0	0	9	9	$= \emptyset$	ftb2 8
ftb4		2	0	1	0	1	0	9	0	0	0	9	9	9	$= \emptyset$	ftb3 \emptyset
															$= \emptyset$	ftb4 \emptyset
brs1		9	9	9	9	9	9	9	9	9	9	9	9	9	$= \emptyset$	garment breast
brs2		9	9	9	9	9	9	9	9	9	9	9	9	9	$= \emptyset$	brs1 \emptyset
															$= \emptyset$	brs2 \emptyset

FIGURE 11D

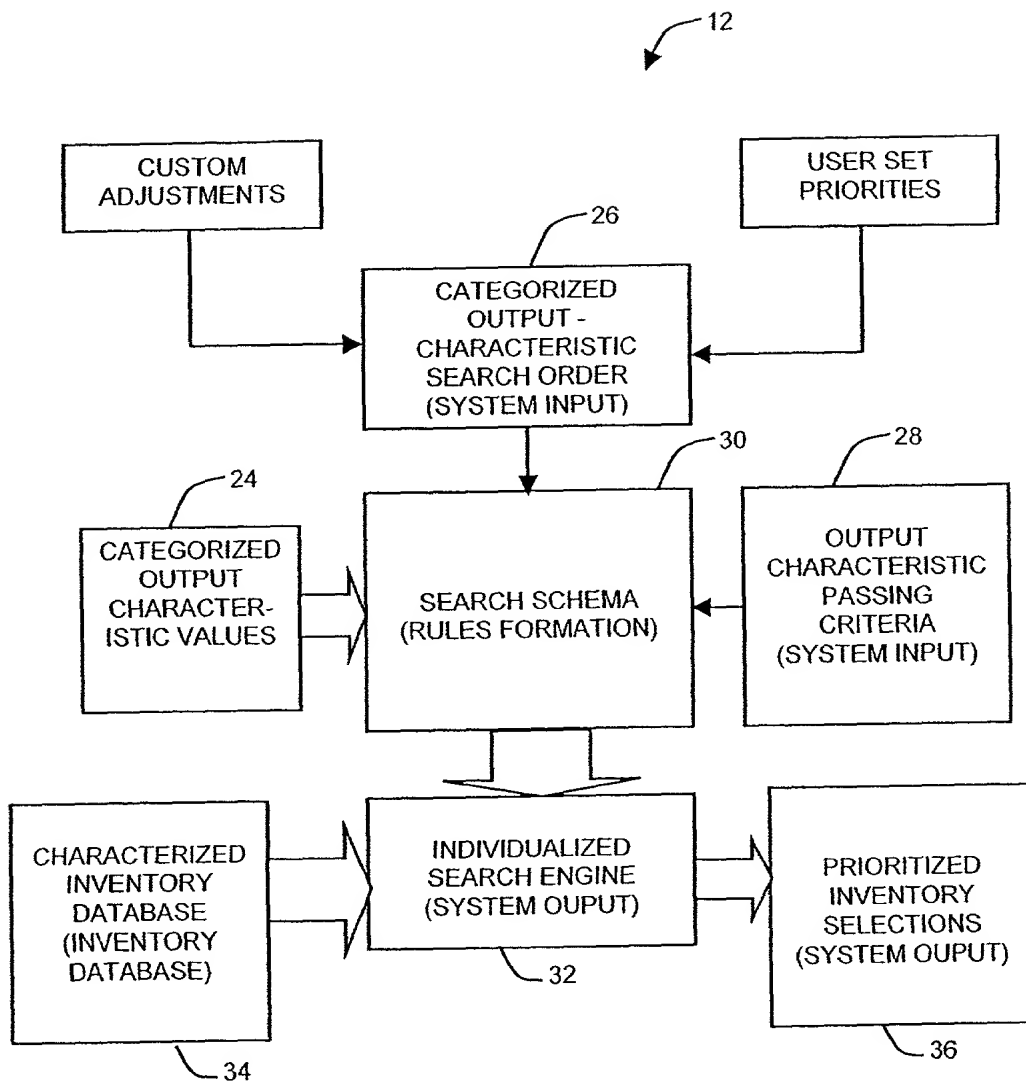


FIGURE 12

output characteristic category	categorized output characteristic search order	output characteristic value	output characteristic passing standard
garment gender	1	gnd1 1.0	1
		gnd2 Ø	
garment season	4	sea1 1.3	3
		sea2 2.8	
		sea3 3.6	
		sea4 2.5	
garment type	2	typ1 1.3	2
		typ2 1.6	
		typ3 1.6	
		typ4 Ø	
		typ5 2.9	
		typ6 2.0	
garment occasion	3	occ1 1.2	4
		occ2 3.4	
		occ3 4.8	
		occ4 Ø	
		occ5 6.9	
		occ6 9.5	
garment fit	5	ftt1 Ø	10
		ftt2 8.66	
		ftt3 Ø	
		ftt4 Ø	

FIGURE 13A

output characteristic category	categorized output characteristic search order	output characteristic value	output characteristic passing standard
garment neck	17	nck1 5.5	8
		nck2 5.5	
		nck3 6.5	
		nck4 3.5	
		nck5 Ø	
garment collar	18	clr1 0	5
		clr2 0	
		clr3 0	
		clr4 0	
garment sleeve	13	slv1 Ø	5
		slv2 Ø	
		slv3 Ø	
		slv4 2.67	
		slv5 2.67	
		slv6 3	
garment length	6	lnt1 Ø	3
		lnt2 Ø	
		lnt3 Ø	
		lnt4 Ø	
		lnt5 Ø	
		lnt6 Ø	
		lnt7 2.5	
		lnt8 2.5	
		lnt9 3.5	

FIGURE 13B

FIGURE 13C

output characteristic category	categorized output characteristic search order	output characteristic value	output characteristic passing standard
garment back	14	bck1 Ø	5
		bck2 4	
garment color	7	col1 2	5
		col2 2.66	
		col3 5.33	
		col4 2.66	
		col5 2.33	
		col6 2	
		col7 5.33	
		col8 5.66	
		col9 3	
		cola 2.33	
		colb 2.66	
		colc 4.33	
		cold 5.33	
		cole 4.66	
		colf 5.66	
garment color tone	8	tne1 6.33	5
		tne2 7	
		tne3 5	
		tne4 2	

FIGURE 13C

output characteristic category	categorized output characteristic search order	output characteristic value	output characteristic passing standard
garment material	15	mat0 2	5
		mat1 Ø	
		mat2 Ø	
		mat3 2	
		mat4 2	
		mat5 2.5	
		mat6 2	
		mat7 2	
		mat8 2.5	
		mat9 0	
		mata 0	
		matb 0	
		matc Ø	
		mad 3	
		mate 2.5	
		matf 0	
garment pattern	16	pat1 2.5	3
		pat2 2	
		pat3 2	
		pat4 2	
		pat5 0	
		pat6 0	
		pat7 0	
		pat8 0	
		pat9 3	

FIGURE 13D

output characteristic category	categorized output characteristic search order	output characteristic value	output characteristic passing standard
garment leg	9	leg1	2
		leg2	Ø
		leg3	Ø
		leg4	Ø
		leg5	Ø
garment slit	11	slt1	Ø
		slt2	Ø
		slt3	2
garment plt	12	plt1	Ø
		plt2	Ø
		plt3	Ø
garment fit bottom	10	ftb1	Ø
		ftb2	8
		ftb3	Ø
		ftb4	Ø
		brs1	Ø
garment breast	19	brs2	Ø
			X

FIGURE 13E

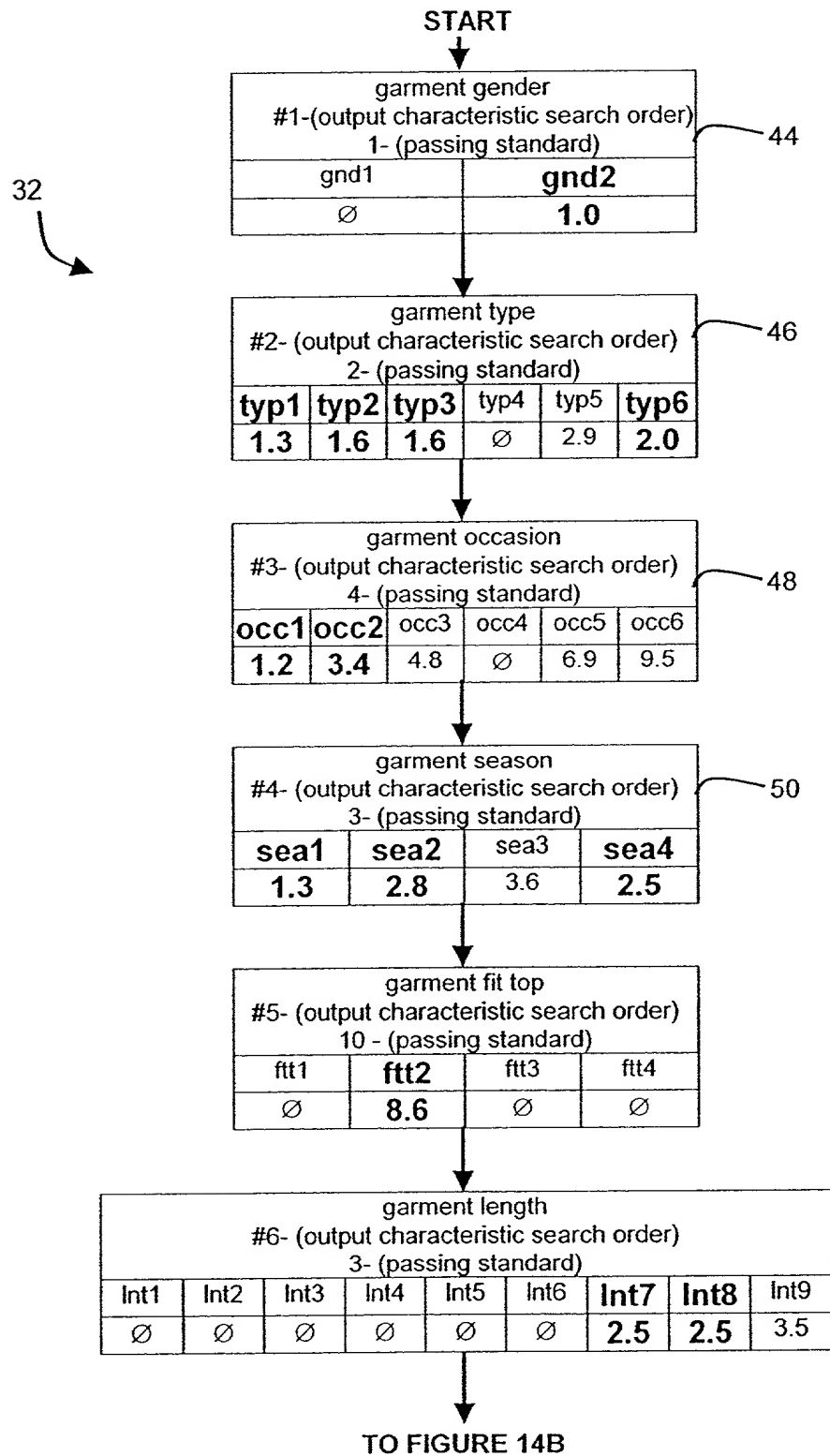


FIGURE 14A

FROM FIGURE 14A

garment color #7- (output characteristic search order) 5 - (passing standard)															
col1	col2	col3	col4	col5	col6	col7	col8	col9	cola	colb	colc	cold	cold	cole	colf
2	2.66	5.33	2.66	2.33	2	5.33	5.66	3	2.33	2.66	4.33	5.33	4.66	5.66	2

garment color tone #8- (output characteristic search order) 5 - (passing standard)			
tne1	tne2	tne3	tne4
6.33	7.0	5.0	2.0

garment leg #9- (output characteristic search order) 3- (passing standard)				
Leg1	leg2	leg3	leg4	leg5
3				

garment fit bottom #10- (output characteristic search order) 10 - (passing standard)			
ftb1	ftb2	ftb3	ftb4
Ø	8.6	Ø	Ø

garment slit #11- (output characteristic search order) 3 - (passing standard)		
gplt1	gplt2	gplt3
Ø	Ø	2

garment pleat #12- (output characteristic search order) X 'don't care' - (passing standard)		
gplt1	Gplt2	gplt3
Ø	Ø	Ø

TO FIGURE 14C

FIGURE 14B

09862978-100001

FROM FIGURE 14B

garment sleeve					
#13- (output characteristic search order)					
5- (passing standard)					
slv1	slv2	slv3	slv4	slv5	slv6
	Ø	Ø	2.67	2.67	3

garment back	
#14- (output characteristic search order)	
5 - (passing standard)	
Bck1	bck2
Ø	4

garment material															
#15- (output characteristic search order)															
5 - (passing standard)															
mat1	mat2	mat3	mat4	mat5	mat6	mat7	mat8	mat9	mat10	mat11	mat12	mat13	mat14	mat15	mat16
2	Ø	Ø	2	2	2.5	2	2	2.5	0	0	0	Ø	3	2.5	0

garment pattern								
#16- (output characteristic search order)								
3 - (passing standard)								
pat1	pat2	pat3	pat4	pat5	pat6	pat7	pat8	pat9
2.5	2	2	2	0	0	0	0	3

garment neck				
#17- (output characteristic search order)				
8- (passing standard)				
nck1	nck2	nck3	nck4	nck5
5	5	6	3	Ø

TO FIGURE 14D

FIGURE 14C

09862978-1001001

FROM FIGURE 14C

↓

garment collar			
#18- (output characteristic search order)			
5- (passing standard)			
clr1	clr2	clr3	clr4
0	0	0	0

↓

garment breast	
#19- (output characteristic search order)	
X- (passing standard)	
ftb1	ftb2
Ø	Ø

↓
END

FIGURE 14D

09862978-100101

total: 8269360

gtyp	unit	gocc	gcol	gfft	gftb	glnt	gleg	gnck	gslv	gpat	gtne	gmtg	gsit	gplt	gbck	gclr	gbrs	gsty	manu	filename
13	1	24	68	2	X	2	X	12	5	6	0	3B	X	X	1	3	X	2	10	151
13	3	24	68	X	1	5	1	X	X	6	0	3	0	0	X	X	X	2	10	151
13	1	124	8	2	X	1	X	2	5	0	13	3	X	X	1	3	X	2	10	152
13	3	124	8	X	0	6	1	X	X	0	13	3	1	2	X	X	X	2	10	152
13	1	1234	893	2	X	2	X	2	5	8	12	9F	X	X	1	3	X	2	10	153
13	3	1234	190	X	1	5	1	X	X	6	13	83	0	0	X	X	X	2	10	153
13	1	124	149	1	X	2	X	1	3	8	12	68	X	X	0	3	X	A	11	154
13	3	124	1	X	1	5	1	X	X	0	0	3	1	0	X	X	X	A	11	154
13	1	12	9	2	X	1	X	1	4	0	23	3	X	X	0	2	X	69	12	155
13	3	12	9	X	2	4	2	X	X	0	1	E	0	0	X	X	X	69	12	155
13	1	12	1	2	X	1	X	1	5	0	23	3	X	X	0	2	X	69	12	156
13	3	12	1	X	2	4	2	X	X	0	1	E	0	0	X	X	X	69	12	156
13	1	1	6	2	X	1	X	1	5	0	23	3	X	X	0	2	X	69	12	157
13	3	1	6	X	2	4	2	X	X	0	1	5	0	0	X	X	X	69	12	157
13	1	234	BE	2	X	2	X	0	5	8	12	3D	X	X	1	3	X	69A	15	158
13	3	234	B	X	1	4	1	X	X	0	0	3	0	0	X	X	X	69A	15	158
13	1	234	0	2	X	2	X	1	0	0	123	39	X	X	1	3	X	56	15	159
13	3	234	0D	X	2	4	1	X	X	6	0	39	0	0	X	X	X	56	15	159
13	1	24	0D	2	X	1	X	0	5	8	0	3	X	X	1	3	X	69	15	160
13	3	24	0D	X	1	4	1	X	X	8	0	3	0	0	X	X	X	69	15	160
13	1	2345	4	2	X	1	X	0	5	0	1	3	X	X	1	3	X	689	15	161
13	3	2345	4	X	2	4	1	X	X	23	13	3	0	0	X	X	X	689	15	161
13	1	2345	1	2	X	2	X	0	5	0	1	3	X	X	1	3	X	789	16	162
13	3	2345	0	X	2	4	2	X	X	0	123	36	1	0	X	X	X	789	16	162
13	1	25	2	23	X	1	X	0	5	0	23	4	X	X	1	3	X	69	16	163
13	3	25	2	X	2	4	2	X	X	0	23	4	0	0	X	X	X	69	16	163

FIGURE 15A

TABLE 15B

gtyp	unit	gocc	gcol	gfft	gftb	glnt	gleg	gnck	gsiv	gpat	gtne	gmat	gslt	gplt	gbck	gclr	gbrs	gsty	manu	filename
13	1	124	0A	2	X	1	X	3	12	8	13	5B	X	X	0	3	X	1A	17	164
13	3	124	26	X	12	5	2	X	X	0	23	4	0	0	X	X	X	1A	17	164
13	1	34	8C	23	X	1	X	3	1	0	0	5	X	X	0	3	X	58	18	165
13	3	34	C	X	12	4	1	X	X	0	23	F	0	0	X	X	X	58	18	165
13	1	1234	0	12	X	1	X	1	1	0	123	3	X	X	1	3	X	69	1	166
13	3	1234	0	X	3	56	2	X	X	0	123	3	0	0	X	X	X	69	1	166
13	1	124	1	1	X	1	X	0	2	7	13	36	X	X	1	3	X	8A	21	167
13	3	124	1	X	3	5	2	X	X	0	1	D	0	0	X	X	X	8A	21	167
13	1	1	6	1	X	1	X	4	1	8	2	B	X	X	1	3	X	9	21	168
13	3	1	6	X	1	7	1	X	X	0	23	3A	0	0	X	X	X	9	21	168
13	1	1	EB6	1	X	1	X	4	1	18	2	5	X	X	1	3	X	9	21	169
13	3	1	6	X	1	7	1	X	X	1	1	5	0	0	X	X	X	9	21	169
13	1	1	0A	2	X	1	X	4	1	38	13	9	X	X	1	3	X	6A	21	170
13	3	1	0A	X	12	7	1	X	X	38	13	9	0	0	X	X	X	6A	21	170
13	1	4	8C	3	X	0	X	4	0	0	1	5	X	X	1	3	X	78A	23	171
13	3	4	6	X	2	3	2	X	X	0	3	F	0	0	X	X	X	78A	23	171
13	1	24	4	2	X	1	X	0	4	8	0	5A	X	X	1	3	X	68A	25	172
13	3	24	4	X	1	4	1	X	X	0	0	3	0	0	X	X	X	68A	25	172
13	1	14	0	2	X	0	X	3	1	0	3	F	X	X	1	3	X	18A	27	173
13	3	14	C	X	1	4	1	X	X	6	1	5	0	0	X	X	X	18A	27	173
13	1	23	0	2	X	1	X	1	5	0	3	2	X	X	1	3	X	79	29	174
13	3	23	0	X	1	4	1	X	X	0	3	2	0	0	X	X	X	79	29	174
13	1	25	27	2	X	1	X	3	3	8	2	C	X	X	1	3	X	68	2	175

FIGURE 15B